



ILLINOIS DEPARTMENT OF PUBLIC HEALTH

William L. Kempiners, Director
535 West Jefferson Street • Springfield, Illinois 62761 • Telephone: 217-782-4977

US EPA RECORDS CENTER REGION 5



497632

DIVISION OF LABORATORIES - 2121 West Taylor Street - Chicago, Illinois 60612

Reply to:

June 18, 1984

CASE NO.: 115-84

RE: Downings Grocery Store

Small containers

Sample #	Solvent	Vapona	Methyl-parathion	Chlorpyrifos	Other ingredients ^b
100	aromatics	22.8 ^a	2.8	2.0	
101	resin	<i>all these results are for samples taken from the small container which are "lab. packed". You have these materials.</i>			
102	aromatic & aliphatics	.025	1.1	.06	<i>JB</i>
03	aromatics & aliphatics			.01	
04	H ₂ O				
15	aromatics	45	38		sulfatepp ^d
6	aliphatics				
7	aromatics, aliphatics			.15	
	aromatics, aliphatics	13.5	22.8	.35	sulfatepp, isomer of methylparathion
	aromatics, aliphatics	4.5	.35	.05	sulfatepp ^d
	aromatics		.05	.25	1.2
	aromatics, aliphatics			.1	.29
	aromatics	28.2		3.6	isomer of methylparathion ^c

*(4 drums of lab. pack)*11 quantitations \pm 15% and expressed as g/100 ml

ot quantitated

e to thermal degradation

gradation product of Diazinon

DIS

Jerg N. Pirl, Ph.D., DABFT
Assistant Chief, Toxicology Section



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Sample #	Solvent	Vapona	Methyl-	Chlorpyrifos	Other ingredients ^b
		Diazinon	parathion		
100	aromatics	22.8 ^a	2.8	2.0	
101	resin				total DDE: 2.8% o,p'-DDT: .29% p,p'-DDT: 1.1%
102	aromatic & aliphatics		.025	1.1	.06
103	aromatics & aliphatics				.01
104	H ₂ O				
105	aromatics	45	38		sulfatepp ^d
106	aliphatics				
107	aromatics, aliphatics				.15
108	aromatics, aliphatics		13.5	22.8	.35
109	aromatics, aliphatics	4.5	.35	.05	sulfatepp, isomer of methylparathion
110	aromatics		.05	.25	3.2
111	aromatics, aliphatics			.1	.29
112	aromatics	28.2		3.6	isomer of methylparathion ^c

a all quantitations \pm 15% and expressed as g/100 ml.

b not quantitated

c due to thermal degradation

d degradation product of Diazinon

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RE: Downings Grocery Store

Sample #	Type	Findings	Notes
01645	wipe	Fluoroacetate ^b	I believe this sample was taken from a 250 gallon fuel tank. The tank contained a little over 200 gallons of fluid. The material was placed in several plastic drums.
01646	aqueous	Fluoroacetate ^b	Also in plastic drums in the
016	aqueous	Fluoroacetate ^b	rinse water used to clean
01648	aqueous	Fluoroacetate ^b	out the tank
01649	aqueous	Fluoroacetate ^b	
01650	aqueous	Fluoroacetate ^b	
01642	hydrocarbons, aliphatic	No pesticides found	250 gal fuel tank
01643	hydrocarbons, aliphatic	methylparathion .85%, p-nitrophenol ^b , diazinon .04%	
01644	hydrocarbons, aliphatic	methylparathion 2.7%, p-nitrophenol ^b , isomer of methylparathion ^b	13 blue DRUMS from an empty plastic blue plastic drum. You have it.
01654	wipes ^b	methylparathion	
016	wipes ^b	diazinon, p-nitrophenol, methylparathion, chlorpyrifos	
01656	wipes ^b	p-nitrophenol, methylparathion, chlorpyrifos, isomer of methylparathion	
01657	wipes	No pesticides found	
01658	wipes	No pesticides found	

b not quantitated

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01645	wipes	aqueous Fluoroacetate ^b
01646		aqueous Fluoroacetate ^b
016		aqueous Fluoroacetate ^b
01648		aqueous Fluoroacetate ^b
01649		aqueous Fluoroacetate ^b
01650		aqueous Fluoroacetate ^b
01642	hydrocarbons, aliphatic	No pesticides found
01643	hydrocarbons, aliphatic	methylparathion .85%, p-nitrophenol ^b , diazinon .04%
01644	hydrocarbons, aliphatic	methylparathion 2.7%, p-nitrophenol ^b , isomer of methylparathion ^b Blue D.R.W. plastic
01654	wipes ^b	methylparathion
016	wipes ^b	diazinon, p-nitrophenol, methylparathion, chlorpyrifos
01656	wipes ^b	p-nitrophenol, methylparathion, chlorpyrifos, isomer of methylparathion
01657	wipes	No pesticides found
01658	wipes	No pesticides found

b = not quantitated

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100	aromatics	22.8 ^a		2.8	2.0	
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a all quantitations \pm 15% and expressed as g/100 ml

b not quantitated

c due to thermal degradation

d degradation product of Diazinon


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Sample #	Type	Findings
01645	aqueous	Fluoroacetate ^b
01646	aqueous	Fluoroacetate ^b
01647	aqueous	Fluoroacetate ^b
01648	aqueous	Fluoroacetate ^b
01649	aqueous	Fluoroacetate ^b
01650	aqueous	Fluoroacetate ^b
01642	hydrocarbons, aliphatic	No pesticides found
01643	hydrocarbons, aliphatic	methylparathion .85%, p-nitrophenol ^b , diazinon .04%
01644	hydrocarbons, aliphatic	methylparathion 2.7%, p-nitrophenol ^b , isomer of methylparathion ^b
01654	wipes ^b	methylparathion
01655	wipes ^b	diazinon, p-nitrophenol, methylparathion, chlorpyrifos
01656	wipes ^b	p-nitrophenol, methylparathion, chlorpyrifos, isomer of methylparathion
01657	wipes	No pesticides found
01658	wipes	No pesticides found

b not quantitated

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Reply to: CHICAGO

FINAL REPORT

Toxicology Case No. 128-84E

Sample #	Solvent	Finding ^a
1	H ₂ O	Fluoroacetate ^b
	Aromatic	Vapona: 26.2%; Methylparathion: 0.24%; Sulfatepp ^b ; Diazinon: .09%; Chlorpyrifos: 10.7%
3	Aliphatic hydrocarbons (kerosene)	No pesticides detected
4	Soil crystalline matter	Approximately 75% methylparathion Traces of Chlorpyrifos and Vapona
5	H ₂ O/organic emulsion	Methylparathion: .31%
6	H ₂ O	Methylparathion: 500 ppm
8	Aromatics	Methylparathion: 26.5%
9	Aromatics	Methylparathion: 42.8%; Chlorpyrifos 0.057%
10	Aromatics	Methylparathion: 40.9%

See picture

a - quantitation in g/100 ml ± 15%

b - not quantitated


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